

## **Abstract**

The present invention discloses an interacting method for WLAN UE fast selecting an optimal mobile communication network to access in WLAN, first a WLAN UE judges whether the identity information of the WLAN AN exists in the WLAN identity information stored when mobile connection with the WLAN AN is established, if so, the network selection information corresponding to the identity of the WLAN stored will be sent to the WLAN AN, otherwise, a pre-configured mobile communication network with highest priority is regarded as network selection information to be sent to the WLAN AN; the WLAN AN identifies the mobile communication network to access according to the network selection information carried in Authentication Request, and connects the WLAN UE to the selected network to implement authentication. The method makes the WLAN UE select a mobile communication network to access rapidly when the WLAN UE accesses from a WLAN connected with multiple mobile communication networks.